

Converting Colors

XYZ(12.6211, 9.7565, 1.2180)

Have a look what the booklet for
XYZ(12.6211, 9.7565, 1.2180)
contains.

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Color

**XYZ(12.6714, 9.7836,
1.2206)**

Conversions

Conversions Part 1

Format	Color
Hex	8A4600
RGB	138, 70, 0
RGB Percent	54%, 27%, 0%
CMY	0.4588, 0.7255, 1.0000
CMYK	0.00, 0.49, 1.00, 0.46
HSL	30°, 100%, 27%
HSV	30°, 100%, 54%
XYZ	12.6714, 9.7836, 1.2206
YIQ	82.3520, 62.9980, -7.3540

Conversions

Conversions Part 2

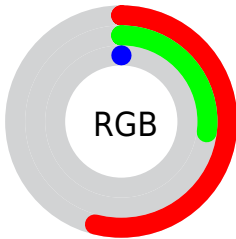
Format	Color
R_{YB}	134, 138, 0
Decimal	9061888
CIE _{Lab}	37.45, 25.03, 47.40
CIE _{LCh}	37, 53.601, 62.159
Yxy	9.7836, 0.5352, 0.4132
Android (android.graphics.Color)	4287251968 (0xFF8A4600)
YUV	82.3520, -40.5995, 48.8033
Hunter-Lab	31.2787, 17.5747, 19.5814

Details

The XYZ color **12.6714, 9.7836, 1.2206** is a dark color, and the websafe version is hex **663300**. A complement of this color would be **6.6545, 5.9691, 24.8460**, and the grayscale version is **8.1616, 8.5866, 9.3508**.

A 20% lighter version of the original color is **30.2886, 25.3303, 6.7829**, and **3.7200, 2.4026, 0.2677** is the 20% darker color. If you saturate the color by 10%, you get **12.6715, 9.7839, 1.2206**, and if you desaturate by 10%, it is **13.1993, 10.7148, 1.7810**.

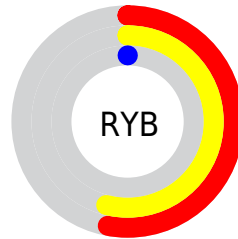
Distribution



Red (54%)

Green (27%)

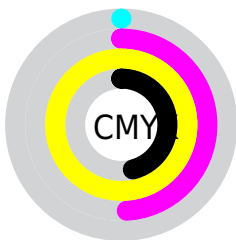
Blue (0%)



Red (53%)

Yellow (54%)

Blue (0%)

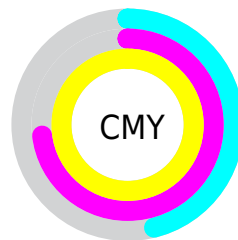


Cyan (0%)

Magenta (49%)

Yellow (100%)

Black (46%)



Cyan (46%)

Magenta (73%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.6714, 9.7836, 1.2206 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 12.6714, 9.7836, 1.2206 by changing the saturation by 10% instead.

■ 12.6714, 9.7836,
1.2206

■ 12.6714, 9.7836,
1.2206

■ 202.4813,
189.1205, 108.7745

■ 7.2781, 5.2557,
0.0000

■ 30.3185, 25.3877,
6.7728

■ 3.6845, 2.3981,
0.0000

■ 43.3031, 37.2327,
12.2251

■ 1.5252, 0.8249,
0.0000

■ 59.5487, 52.2854,
20.0197

■ 0.3429, 0.0000,
0.0000

■ 79.4209, 70.9305,
30.5750


■ 0.0000, 0.0000,
0.0000


■ 103.2848, 93.5521,
44.3096


■ 131.5060,


120.5347, 61.6420


 164.4497,
152.2627, 82.9908


 12.6714, 9.7836,
1.2206


 12.6714, 9.7836,
1.2206


 12.6715, 9.7839,
1.2206

 13.1993, 10.7148,
1.7810

 13.8257, 11.7645,
2.6160

 14.5788, 12.9468,
3.8655

 15.4691, 14.2680,
5.5788

 16.5060, 15.7342,
7.7978

■ 17.6978, 17.3506,
10.5601

■ 19.0521, 19.1223,
13.8994

■ 20.5758, 21.0541,
17.8467

■ 22.2755, 23.1504,
22.4307

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



15.9467, 9.7836, 3.5059



12.6714, 9.7836, 1.2206



9.0567, 9.7836, 0.7696

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



12.6714, 9.7836, 1.2206



4.2044, 9.7836, 11.3682



13.1990, 9.7836, 35.4083

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



12.6714, 9.7836, 1.2206



6.6545, 5.9691, 24.8460

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



9.5456, 9.7836, 42.1141



12.6714, 9.7836, 1.2206



4.8157, 9.7836, 23.9250

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



12.6714, 9.7836, 1.2206



4.6597, 9.7836, 4.1163



6.5853, 9.7836, 36.9906



16.2995, 9.7836, 21.9051

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



12.6714, 9.7836, 1.2206



7.0596, 9.7836, 1.0459



6.5853, 9.7836, 36.9906



11.9680, 9.7836, 38.8054

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



12.6716, 9.7841, 1.2208



33.4203, 33.4972, 24.0895



11.5554, 5.8330, 6.1473



7.2955, 7.2531, 4.9021



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



12.6716, 9.7841, 1.2208



22.1775, 16.9292, 2.0988



19.5696, 23.5800, 3.5201



5.2288, 5.4405, 5.3269



11.6327, 8.9998, 1.1240



0.0919, 0.0891, 0.0123

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



6.6545, 5.9691, 24.8460



11.5720, 10.2062, 43.7432



4.5875, 1.8351, 24.1570



4.9648, 5.2726, 6.3619



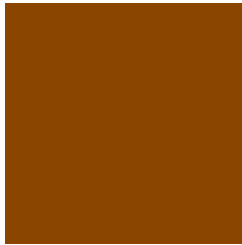
6.1157, 5.5017, 22.7853



0.0552, 0.0657, 0.1562

Previews

White Background



This preview shows how the XYZ color 12.6714, 9.7836, 1.2206 looks on a white background.

Color Contrast Check

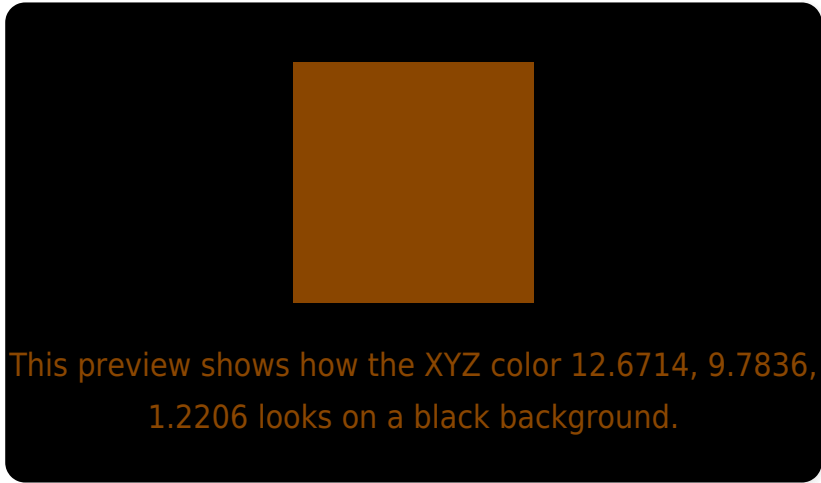
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.6714, 9.7836, 1.2206

Background



This preview shows how black text looks on a background with the XYZ color 12.6714, 9.7836, 1.2206.



This preview shows how white text looks on a background with the XYZ color 12.6714, 9.7836,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

12.6714, 9.7836, 1.2206

Protanopia

8.8943, 9.8806, 1.7862

Deuteranopia

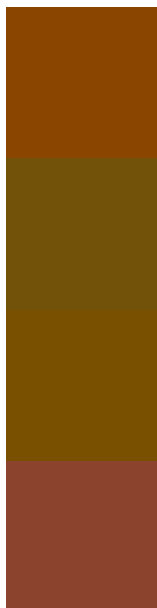
9.8524, 9.7854, 1.3695



Tritanopia

13.8110, 9.7982, 6.9577

Trichromacy



Original Color

12.6714, 9.7836, 1.2206

Protanomaly

10.0006, 9.6295, 1.5613

Deuteranomaly

10.6811, 9.6569, 1.3010

Tritanomaly

13.1283, 9.6927, 3.6616

Monochromacy



Original Color

12.6714, 9.7836, 1.2206

Achromatopsia

8.0200, 8.4376, 9.1886

Achromatomaly

8.8237, 8.5215, 4.4286

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.6714, 9.7836, 1.2206 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(138, 70, 0)` looks like.

```
.text, #text, p{  
    color:rgb(138, 70, 0)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(138, 70, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 70, 0) }
```

Border

The CSS property to change the border of an element to XYZ 12.6714, 9.7836, 1.2206 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(138, 70, 0) }
```


If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(138, 70, 0) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(138, 70, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 70, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 70, 0);  
box-shadow:4px 4px 4px 4px rgb(138, 70, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 12.6714, 9.7836, 1.2206 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 70, 0) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(138, 70,  
0) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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